

6DE4

Half-Wave Vacuum Rectifier

For Television Damper Service

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage (AC or DC). $6.3 \pm 10\%$ volts
Current at 6.3 volts. 1.6 amp

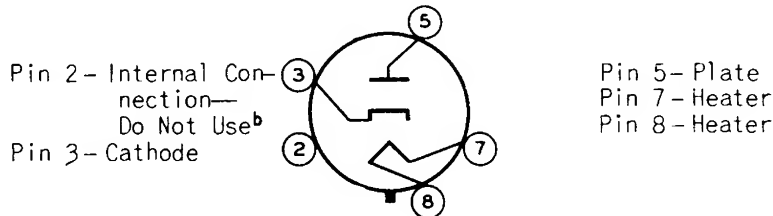
Direct Interelectrode Capacitances

(Approx.):^a

Plate to cathode and heater 8.5 μf
Cathode to plate and heater 11.5 μf
Heater to cathode 4 μf

Mechanical:

Operating Position. Any
Maximum Overall Length. 3-13/16"
Maximum Seated Length 3-1/4"
Maximum Diameter. 1-9/32" ←
Bulb. T9
Base. Short Intermediate-Shell Octal 5-Pin
with External Barriers, Arrangement 2
(JEDEC Group 1, No. B5-85)
Basing Designation for BOTTOM VIEW. 4CG



DAMPER SERVICE

Maximum Ratings, Design-Maximum Values: ←

For operation in a 525-line, 30-frame system^c

PEAK INVERSE PLATE VOLTAGE^d 5500 max. volts
PEAK PLATE CURRENT. 1100 max. ma
DC PLATE CURRENT. 180 max. ma
PLATE DISSIPATION 6.5 max. watts
PEAK HEATER-CATHODE VOLTAGE:
Heater negative with respect to cathode^d. 5500^e max. volts
Heater positive with respect to cathode . 300^f max. volts

Characteristics, Instantaneous Value: ←

Tube Voltage Drop for plate ma. = 350 . . . 34 volts

^a Without external shield.

^b Socket terminals 1, 2, 4 and 6 should not be used as tie points.

^c As described in "Standards of Good Engineering Practice Concerning Television Broadcast Stations," Federal Communications Commission.

← Indicates a change.



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Electron Tube Division
Harrison, N. J.

DATA
1-62

6DE4

- ^d This rating is applicable where the duration of the voltage pulse does not exceed 15 per cent of one horizontal scanning cycle. In a 525-line, 30-frame system, 15 per cent of one horizontal scanning cycle is 10 micro-seconds.
- ^e The dc component must not exceed 900 volts.
- ^f The dc component must not exceed 100 volts.

OPERATING CONSIDERATIONS

It is recommended that socket clips for pins 1, 2, 4, and 6 be removed to reduce the possibility of arc-over and to minimize leakage.

